

NONPOINT SOURCE SUMMARY PAGE

FY 05 CWA 319(h)

1. **TITLE OF PROJECT:** Ellis-Prairie SWCD Water Quality Project
2. **PROJECT GOALS/OBJECTIVES:** This project will provide producers in the Lake Waxahachie, Bardwell Reservoir, Richland Chambers Reservoir, and Joe Pool watersheds with an opportunity to participate in water quality educational activities, technical assistance, and financial assistance to implement BMPs to reduce the runoff of sediment, nutrients, and pesticides.
3. **PROJECT TASKS:** (1) To provide producers with water quality educational opportunities which pertain to the reduction of runoff from sediment, nutrient, and pesticides. (2) To provide producers with technical and financial assistance to aid in the development and implementation of WQMPs to reduce the runoff of sediment, nutrient, and pesticides. (3) To compile information on the number, types, and locations of BMPs implemented.
4. **MEASURES OF SUCCESS:** (1) Implementation of **30** WQMPs. (2) Provide 1 education programs describing methods to reduce sediment, nutrient, and pesticide runoff. (3) Reduce the percentage of sediment, nutrients, and pesticide runoff on the treated acres by 35%. (4) Improve water quality/quantity for drinking supply.
5. **PROJECT TYPE:** Statewide () Watershed (X) Demonstration ()
6. **WATERBODY TYPE:** River () Lake (X) Wetland () Ground Water () Other ()
7. **PROJECT LOCATION:** Basin: (X) Lake Waxahachie (watershed segment #0816), Bardwell Reservoir (watershed segment #815), Richland Chambers Reservoir (watershed segment #0836), and Navarro Mills Reservoir (watershed segment #0817)
8. **NPS MANAGEMENT PROGRAM REFERENCE:** State of Texas Agricultural/Silvicultural Nonpoint Source Management Program – Approved February 15, 2000; to be updated FY04-05
9. **NPS ASSESSMENT REPORT STATUS:** Impaired () Impacted () Threatened (X)
10. **KEY PROJECT ACTIVITIES:** Hire Staff (X) Monitoring () Regulatory Assistance () Technical Assistance (X) Education (X) BMP Implementation (X) Demonstration Project () Other ()
11. **NPS MANAGEMENT PROGRAM ELEMENTS:** Milestones 15, 17, 20, 22, 24.
12. **PROJECT COSTS:** Federal: (\$433,700) Local Match: (\$304,500) Total Project: (\$738,200);
13. **PROJECT MANAGEMENT:** Texas State Soil and Water Conservation Board
14. **PROJECT PERIOD:** Three years.

Ellis-Prairie SWCD Water Quality Project

FY05 CWA Section 319(h)

WORKPLAN

Problem Need/Statement

This project will address sediment, nutrient, and pesticide runoff in the 4 main public surface water supplies in the Richland and Chambers Creeks Watershed. Bardwell Reservoir, Richland Chambers Reservoir, Lake Navarro Mills, and Lake Waxahachie are listed as. These lakes are important drinking water supplies for North Central Texas, and are located within the Richland and Chambers Creeks Watershed.

General Project Description

Following are actions that will be undertaken by this project:

- Provide technical assistance to qualifying producers on appropriate BMPs to reduce sediment, nutrient, and pesticide runoff.
- Provide water quality educational events describing methods for reducing sediment, nutrient, and pesticide runoff.
- Provide financial assistance to qualifying producers that implement BMPs to reduce sediment, nutrient, and pesticide runoff.

Best management practices (BMPs) to reduce the runoff will be implemented through the development of Water Quality Management Plans (WQMPs). The objective of WQMP implementation is to achieve a level of pollution prevention or abatement determined to be consistent with State water quality standards. Highest priorities will be given to the implementation of cost effective pollution abatement practices. TSSWCB and SWCDs will determine which landowners receive technical assistance for the development and implementation of WQMPs. Potential BMPs, which may be included, but not limited too, in the WQMPs, are:

- Filter Strips
- Critical Area Planting
- Terraces and grassed waterways
- Grade Stabilization Structure
- Pasture and Hayland Planting
- Pest and Nutrient Management

TASK 1: Program Coordination with project Participants

Costs: \$87,800 (Federal), \$4,500 (Non-Federal), \$92,300 (Total)

Objective: To foster coordinated technical assistance activities in the Richland and Chambers Creeks Watershed between the TSSWCB, NRCS and Ellis-Prairie SWCD.

Subtask 1.1 The Ellis-Prairie SWCD will hire a planner who will coordinate and carry out the project. (Start Date: Month 1; Completion Date: Month 36)

Subtask 1.2: Meet monthly with to inform district to discuss technical and financial assistance activities. (Start Date: Month 1; Completion Date: Month 36)

Subtask 1.3: Coordinate with other agencies and programs providing landowners incentives for adopting Best Management Practices. (Month 1 through month 36)

Subtask 1.4: Prepare quarterly reports and a final report for submittal to the TSSWCB. (Start Date: Month 1; Completion Date: Month 36)

Deliverables:

- Quarterly Reports
- Final report at culmination of project in electronic format
- Copies agendas, attendance, and minutes from district meetings

Task 2: Water Quality Education on Best Management Practices to Reduce Runoff.

Costs: \$2,000 (Federal), \$0 (State), \$2,000 (Total)

Objective: To promote the implementation of cost effective BMPs that reduce runoff by informing and educating producers about appropriate BMPs.

Subtask 2.1: Cooperate with the NRCS, TAEX, and Texas Department of Agriculture to provide 1 educational/training event describing methods for reducing runoff. (Month 1 through month 36)

Deliverables:

- Training and workshop schedules, agendas, and participants.
- All educational materials distributed.

TASK 3: Development and Implementation of WQMPs

Costs: \$300,000 (Federal), \$300,000 (Non-Federal), \$600,000 (Total)

Objective: To provide technical assistance to landowners in developing and implementing WQMPs within the Richland and Chambers Creeks Watershed.

Subtask 3.1: The SWCD planner will develop approximately 30 WQMPs within the Richland and Chambers Creeks Watershed. The SWCD planner will complete all WQMPs with assistance from the NRCS as needed. (Month 1 to Month 36)

Subtask 3.2: The SWCD planner will send out notifications announcing the availability of assistance for implementing WQMPs, and will assist the Ellis-Prairie SWCD in accepting and prioritizing the WQMP applications.

Subtask 3.3: The planner, with assistance from NRCS and the TSSWCB Dublin Regional Office, will provide landowners with information on appropriate best management practices and will work with landowners in developing and implementing WQMPs within the Richland and Chambers Creeks Watershed. (Start Date: Month 1; Completion Date: Month 32)

Subtask 3.4: TSSWCB Dublin Regional Office will provide technical review and certification of WQMPs. (Start Date: Month 1; Completion Date: Month 32)

Subtask 3.5: The SWCD planner will conduct status reviews on all WQMPs to ensure BMP implementation schedules are being followed.

Deliverables:

- 30 WQMPs developed and implemented within the watershed.
- Records of BMPs implemented to date by each producer.

TASK 4: Compilations of WQMPs Implemented in the Richland and Chambers Creeks Watershed.

Costs: \$43,900 (Federal), \$0 (Non-Federal), \$43,900 (Total)

Objective: To compile information on the location and types of BMPs for each WQMP implemented in the Richland and Chambers Creeks Watershed.

Subtask 4.1 The Planner, with assistance from NRCS, the TSSWCB Dublin Regional Office and the SWCDs will compile information on the location and types of BMPs for each WQMP implemented within the Richland and Chambers Creeks Watershed. (Start Date: Month 1; Completion Date: Month 36)

Deliverables:

- A spreadsheet and map showing the location and types of BMPs for each WQMP implemented.

Coordination, Roles and Responsibilities:

Participating organizations and agencies along with their roles in this project include:

- Texas State Soil & Water Conservation Board - Project Lead - Responsible for technical review and certification of WQMPs. Work with and assist, as needed local SWCD in the implementation and development of WQMPs. Also assist the district in inventorying current BMPs and land use practices and the implementation of WQMPs
- Ellis-Prairie SWCD- Responsible for developing and implementing WQMPs on a drainage area basis. Also responsible for inventorying current BMPs and land use practices on a watershed basis and for tracking/inventorying the implementation of WQMPs
- Natural Resources Conservation Service - Work with, and assist as needed, local SWCD in the implementation and development of WQMPs

Public Participation:

This is an internal TSSWCB project with the Ellis-Prairie SWCD, and NRCS. This project will provide technical assistance to landowners in this district in the implementation of WQMPs in the Richland and Chambers Creeks Watershed.

Measures of Success:

- Implementation of 30 WQMPs throughout the course of the project by the planner within the targeted area.
- Provide 1 education programs describing methods to reduce sediment, nutrient, and pesticides runoff.
- Reduce the percentage of sediment, nutrient, and pesticide runoff on the treated acres by 35%.
- Improve water quality/quantity for drinking supply.

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